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INDEX TO AMERICAN BOTANICAL LITERATURE

1911-1916

The aim of this Index is to include all current botanical literature written by Americans, published in America, or based upon American material; the word America being used in the broadest sense.

Reviews, and papers that relate exclusively to forestry, agriculture, horticulture, manufactured products of vegetable origin, or laboratory methods are not included, and no attempt is made to index the literature of bacteriology. An occasional exception is made in favor of some paper appearing in an American periodical which is devoted wholly to botany. Reprints are not mentioned unless they differ from the original in some important particular. If users of the Index will call the attention of the editor to errors or omissions, their kindness will be appreciated.

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Babcock, D. C. Diseases of forest and shade trees. Monthly Bull. Ohio Agr. Exp. Sta. **1**: 291-296; 333-339. 1916. [Illust.]

Babcock, E. B. Studies in *Juglans*—II. Further observations on the new variety of *Juglans californica* Watson and on certain supposed walnut-oak hybrids. Univ. Calif. Publ. Agr. **2**: 47-70. *pl.* 13-19. 13 O 1916.

Benedict, R. C. The collection of *Nephrolepis* varieties at the Brooklyn Botanic Garden. Brooklyn Bot. Gard. Rec. **5**: 143-148. O 1916.

Berry, E. W. The flora of the Catahoula sandstone. U. S. Geol. Surv. Prof. Paper **98 M**: 227-251. *pl.* 55-60. 23 Au 1916.

Describes *Pestalozzites minor* gen. et sp. nov. and new species in *Lygodium* (1), *Acrostichum* (1), *Cupressites* (1), *Sabalites* (1), *Embothrites* (1), *Anona* (1), *Pithecolobium* (1), *Paliurus* (1), *Myrica* (1), *Bumelia* (1), and *Carpolithus* (1).

Berry, E. W. The flora of the Citronella formation. U. S. Geol. Surv. Prof. Paper **98 L**: 193-208. *pl.* 45-47. 11 S 1916.

Includes descriptions of new species in *Hicoria* (1), *Betula* (1), *Fagus* (1), *Quercus* (3), *Caesalpinia* (1), *Nyssa* (1), and *Bumelia* (1).

Bodenbender, G. Contribución al conocimiento de la Precordillera de San Juan de Mendoza, y de las Sierras centrales de la República Argentina. Bol. Acad. Nac. Cien. Córdoba, Argentina **17**: 203-261. 1902.

- Bodenbender, G.** Constitución geológica de la parte meridional de La Rioja y regiones limitrofes República Argentina. Bol. Acad. Nac. Cien. Córdoba, Argentina **19**: 1-220. 1911. [Illust.]
- Boerker, R. H.** Ecological investigations upon the germination and early growth of forest trees. 1-90. *pl.* 1-5. Lincoln. 1 Ja 1916.
- Boyce, J. S.** Pycnia of *Cronartium pyriforme*. Phytopathology **6**: 446, 447. D 1916.
- Brenckle, J. F.** *Lamprospora detonia* sp. nov. Mycologia **8**: 318. 3 N 1916.
- Briggs, L. J., & Schantz, H. L.** Daily transpiration during the normal growth period and its correlation with the weather. Jour. Agr. Research **7**: 155-212. *pl.* 5, 6+f. 1-18. 23 O 1916.
- Brown, H. B.** Life history and poisonous properties of *Claviceps Paspali*. Jour. Agr. Research **7**: 401-406. *pl.* 32+f. 1, 2. 27 N 1916.
- Bush, B. F.** The Missouri agrimonies. Ann. Missouri Bot. Gard. **3**: 309-318. S 1916.
- Caesar, L., & Howitt, J. E.** The more important insects and diseases attacking the peach trees. Ontario Dept. Agr. Bull. **241**: 41-51. f. 22-28. J1 1916.
- Campbell, R.** Some recent changes in the flora of Montreal and additions thereto. Canadian Rec. Sci. **9**: 486-489. S 1916.
- Candolle, C. de.** Un *Begonia* nouveau. Bull. Soc. Bot. Genève—II. **8**: 22, 23. f. 1. Mr 1916.
Begonia Hassleri DC.
- Candolle, C. de.** Plantae paraguarienses novae a. cl. E. Hasslero et cl. K. Fiebrigio lectae. Bull. Soc. Bot. Genève **6**: 107-126. f. 1-7. 30 Ap 1914.
Includes *Piper Rojasii*, *Cabralea Rojasii*, *Guarea campestris*, *G. Fiebrigii*, *Cedrela Lilloi*, *C. Balansae*, *Begonia leptotricha*, *B. obovatistipula*, and *B. Fiebrigii*, spp. nov.
- Candolle, C. de.** *Engelburdtia Oreomunoa* C. DC., une espèce remarquable du Costa-Rica. Bull. Soc. Bot. Genève **6**: 165-170. f. 1, 2. 30 My 1914.
- Chodat, R.** Les espèces du genre *Prospopanche*. Bull. Soc. Bot. Genève II. **7**: 65, 66. 30 Ap 1915.
- Chodat, R., & Vischer, W.** La végétation du Paraguay. Bull. Soc. Bot. Genève—II. **8**: 83-160. f. 1-51. Mr 1916.
Includes *Sessee Vischeri*, *Solanum apaense*, *S. Ipecacuanha*, spp. nov.
- Cockerell, T. D. A.** A new form of *Corallorrhiza*. Torreyia **16**: 230-232. 16 N 1916.

- Cockerell, T. D. A.** A new hybrid columbine. *Bot. Gaz.* **62**: 413, 414. 16 N 1916.
- Collins, J. F.** A key to Rhode Island wild flowers. *Park Mus. Bull.* Roger Williams Park **7**: [1-16]. Je 1915.
- Conn, H. J.** Are spore-bearing bacteria of any significance in soil under normal conditions. *Jour. Bact.* **1**: 187-195. Mr 1916.
- Conn, H. J.** A possible function of *Actinomycetes* in soil. *Jour. Bact.* **1**: 197-207. Mr 1916.
- Cron, A. B.** Triple-seeded spikelets in sorghum. *Jour. Am. Soc. Agron.* **8**: 237, 238. *pl.* 8. 1 Au 1916.
- Damazio, L.** Un nouveau *Lycopodium* brésilien. *Bull. Soc. Bot. Genève II.* **7**: 119, 120. *f.* 1. 30 Ap 1915.
- Damazio, L.** Une nouvelle fougère du Brésil. *Bull. Soc. Bot. Genève* **6**: 171, 172. *f.* 1. 30 My 1914.
Elaphoglossum Beauverdii sp. nov.
- Davidson, J.** Third annual report of the botanical office of the province of British Columbia, 1915. **1**: O 81—O 150—*f.* 62-80. 1916.
- Davis, B. M.** *Oenothera neo-Lamarckiana*, hybrid of *O. franciscana* Bartlett \times *O. biennis* Linnaeus. *Am. Nat.* **50**: 688-696. N 1916.
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- Eames, E. H.** Some varieties and forms of Connecticut plants. *Rhodora* **18**: 239, 240. N 1916.
- Elliott, J. A.** An *Alternaria* on *Sonchus*. *Bot. Gaz.* **62**: 414-416. *f.* 1. 16 N 1916.
Alternaria Sonchi sp. nov.
- Evans, M. W.** The flowering habits of timothy. *Jour. Am. Soc. Agron.* **8**: 299-309. *pl.* 15. O 1916.
- Farlow, W. G.** *Montia sibirica* in Massachusetts. *Rhodora* **18**: 240. N 1916.
- Fawcett, H. S.** *Citrus* scab. *Phytopathology* **6**: 442-445. D 1916.
- Fawcett, H. S.** A *Pythiacystis* on avocado trees. *Phytopathology* **6**: 433-435. D 1916.

- Fernald, M. L.** Some allies of *Antennaria alpina* from Newfoundland and the Labrador peninsula. *Rhodora* **18**: 236-238. N 1916.
- Graves, A. H.** Chemotropism in *Rhizopus nigricans*. *Bot. Gaz.* **62**: 337-369. f. 1-4. 16 N 1916.
- Griffiths, D.** Additional species of *Opuntia*. *Bull. Torrey Club* **43**: 523-531. pl. 30. 7 N 1916.
Nine new species are described.
- Grignan, G. T.** *Cupressus thyoides* (*Chamaecyparis sphaeroidea*). *Rev. Hort.* **88**: 156. f. 35. 16 O 1916. [Illust.]
- Güssow, H. T.** Leaf roll in tomatoes? *Phytopathology* **6**: 447. D 1916.
- Halsted, B. D.** Tickle-grass tumblers. *Torreyia* **16**: 226-228. 16 N 1916.
- Harris, J. A., & Popenoe, W.** Freezing-point lowering of the leaf sap of the horticultural types of *Persea americana*. *Jour. Agr. Research* **7**: 261-268. 6 N 1916.
- Hassler, E.** Revision critique des Oenotheracées du Paraguay. *Bull. Soc. Bot. Genève* **5**: 266-277. 1913.
- Hawkins, L. A.** Growth of parasitic fungi in concentrated solutions. *Jour. Agr. Research* **7**: 255-260. 30 O 1916.
- Hedgcock, G. G., & Hunt, N. R.** *Dothichiza populea* in the United States. *Mycologia* **8**: 300-308. pl. 194, 195. 3 N 1916.
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- Howe, M. A.** A note on the structural dimorphism of sexual and tetrasporic plants of *Galaxaura obtusata*. *Bull. Torrey Bot. Club* **43**: 621-624. 10 Ja 1917.
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Includes descriptions of 38 new species.
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Contains notes on a species of *Asterina* on *Ilex paraguariensis*.
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- Loeb, J.** Further experiments on correlation of growth in *Bryophyllum calycinum*. *Bot. Gaz.* **62**: 293-302. *f.* 1-17. 17 O 1916.
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